

AMENDMENTS TO THE CLAIMS:

All pending claims are set forth below. Cancelled and withdrawn claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), and (not entered). Please AMEND claims 1, 5, 8, 10 and 11 in accordance with the following:

1. (currently amended) A power supply control device for ~~an~~ a variable maximum power consumption apparatus which is supplied with electric power from a power supply, said device comprising:
 - a calculator for calculating a power consumption value of said ~~device~~ variable maximum power consumption apparatus based on configuration information on each configuration unit constituting said variable maximum power consumption apparatus and an amount of power consumed by each configuration unit; and
 - a controller for performing a predetermined procedure based on the power consumption value calculated by said calculator.
2. (original) The power supply control device according to claim 1, further comprising a detector for detecting an amount of power supplied from said power supply to said apparatus during operation of said apparatus, wherein said controller performs the predetermined processing in accordance with the detection result of said detector.
3. (original) The power supply control device according to claim 1, further comprising:
 - a storage element for storing said configuration information; and
 - an input device for inputting said configuration information to said storage element so as to be stored therein.
4. (original) The power supply control device according to claim 2, further comprising an input device for inputting said configuration information to said calculator, said calculator being operable to calculate the amount of power consumption of said device based on the configuration information inputted by said input device and the amount of power detected by said detector.
5. (currently amended) The power supply control device according to claim 3, wherein

said storage element stores a-information relating to configuration units comprising the apparatus and an amount of power consumption corresponding to each configuration unit, generating historical data to estimate the power consumption of the ~~of these components configuration units which are likely to be changed in the configuration of~~ connected to said device apparatus.

6. (original) The power supply control device according to claim 1, wherein said controller comprises:

a comparator for making a comparison between the amount of power consumption calculated by said calculator and a power supply capacity of said power supply; and

a control operation element for performing a predetermined control operation based on the result of comparison performed by said comparator.

7. (original) The power supply control device according to claim 6, further comprising:

a power supply capacity calculator for calculating the power supply capacity of said power supply based on the configuration information on each power supply configuration unit constituting said power supply and an available power supply capacity which is able to be supplied by each power supply configuration unit;

wherein said comparator makes a comparison between the power supply capacity calculated by said power supply capacity calculator and said amount of power consumption.

8. (currently amended) An-A variable maximum power consumption apparatus comprising:

a main unit proper having at least one processing functional block for processing information;

a power supply unit having at least one power supply functional block for supplying electric power to said processing functional block; and

a power supply control device including a controller for calculating an amount of power consumption of said variable maximum power consumption apparatus ~~proper~~-based on configuration information of said processing functional block and an amount of power consumed by each power supply functional block, said controller calculating an amount of power supplied by said power supply unit based on the configuration information of said power supply functional block and an amount of power supplied to each power supply functional block, said controller performing a predetermined processing in accordance with

the amount of power consumed by said main unit thus calculated and the amount of power supplied by said power supply unit thus calculated.

9. (original) The apparatus according to claim 8, further comprising a detector for detecting an amount of power outputted from said power supply unit to said main unit during operation of said apparatus, wherein said controller performs the predetermined processing in accordance with the detection result of said detector.

10. (currently amended) A medium being readable by a computer and having a program recorded thereon which is executed by said computer, said computer being operated, when executing said program,

to calculate an amount of power consumed by ~~a device~~ a variable maximum power consumption apparatus, which is supplied with electric power from a power supply, based on configuration information on each configuration unit constituting said ~~device~~ apparatus and an amount of power consumed by each configuration unit; and

to perform a predetermined processing based on the amount of power consumption thus calculated.

11. (currently amended) A data recording medium being readable by a computer, said medium storing configuration units constituting ~~a device~~ a variable maximum power consumption apparatus, which is supplied with electric power from a power supply, and an amount of power consumed by said configuration units as power consumption information, said medium retrievably storing said configuration units constituting said ~~device~~ variable maximum power consumption apparatus and an amount of power consumption corresponding to each configuration unit, in order that a computer calculates a power consumption of said ~~device~~ variable maximum power consumption device based on said configuration information and said power consumption information and performs a predetermined processing based on the power consumption value thus calculated.

12. (new) The power supply control apparatus according to claim 1, wherein the predetermined procedure is displaying an optimal power supply capacity.

13. (new) The power supply control apparatus according to claim 12, wherein the optimal power supply capacity is displayed in such a manner that, when the power supply

capacity is greater than the computed power consumption value, one of:

- a surplus of the power supply capacity is displayed; and
- one of the reducable power supply functional blocks is displayed.

14. (new) The power supply control apparatus according to claim 12, wherein the optimal power supply capacity is displayed in such a manner that, when an available power supply capacity is less than the power consumption value calculated by said calculator, one of:

- a shortage of a power supply capacity is indicated;
- an optimal number of power supply functional blocks is indicated; and
- addition of another power supply functional block is indicated.